

US-PAT-NO: 6045697

DOCUMENT-IDENTIFIER: US 6045697 A

TITLE: Passivated porous polymer supports and methods for  
the preparation and  
use of same

DATE-ISSUED: April 4, 2000

US-CL-CURRENT: 210/635; 210/198.2 ; 210/502.1 ; 210/656 ;  
502/402 ; 530/413

APPL-NO: 09/ 200884

DATE FILED: November 30, 1998

PARENT-CASE:

1. CROSS-REFERENCE TO RELATED APPLICATIONS This  
application is a divisional  
application of application Ser. No. 08/858,924, filed on  
May 19, 1997, now  
U.S. Pat. No. 5,906,734, which is a continuation-in-part  
of application Ser.  
No. 08/394,014 filed on Feb. 22, 1995, now abandoned,  
which is a  
continuation-in-part of application Ser. No. 08/254,625,  
filed Jun. 6, 1994,  
now U.S. Pat. No. 5,445,732, which is a continuation of  
application Ser. No.  
07/955,935, filed Oct. 5, 1992, now abandoned, which is a  
continuation-in-part  
of application Ser. No. 07/901,326, filed Jun. 19, 1992,  
now abandoned.

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Detailed Description Text - DETX:

In another embodiment, the polymerization step can take  
place in the presence  
of a pore inducer. The pore inducers of the present  
invention allow

polymerization to take place without substantially reducing the porosity of the solid support. Suitable pore inducers, also referred to as porogens, used in the present invention include, but are not limited to, polyethylene glycols, polyoxyethylenes, polysaccharides such as dextran and polar solvents. Polar solvents include those commonly used in chemical synthesis or polymer chemistry and known to those skilled in the art. Suitable polar solvents include alcohols, ketones, tetrahydrofuran, dimethylformamide, and dimethylsulfoxide. Preferred polar solvents are ethanol, methanol, dioxane, and dimethylsulfoxide.